

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Takahashi et al.

Filed: February 24, 2005

Application Serial No.: 10/525,443

For: **METAL SULFIDE THIN FILM AND METHOD FOR PREPARING THEREOF**

Confirmation No: 3864

Group Art Unit: 1792

Examiner: Elizabeth A. Burkhart

May 20, 2010

Mail Stop Appeal Brief-Patents

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

**APPELLANTS' RESPONSE TO NOTIFICATION
OF NON-COMPLIANT APPEAL BRIEF**

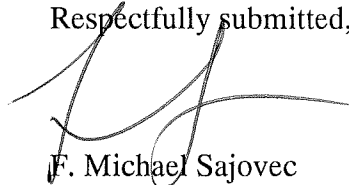
Sir:

This paper is filed in response to the Notification of Non-Compliant Appeal Brief mailed April 26, 2010.

Appellants provide herewith a copy of the appealed claims as an appendix (**APPENDIX A**) as required under 37 C.F.R. § 1.41.37(c)(1)(vii).

No fee is believed due with the filing of this paper. However, if any extension of time for the current submission is required, Applicants request that this be considered a petition therefor under 37 C.F.R. § 1.136(a). The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to Deposit Account No. 50-0220.

Respectfully submitted,



F. Michael Sajovec

Registration No. 31,793

Attorney for the Appellants

Customer No. 20792

Myers Bigel Sibley & Sajovec, P.A.

P. O. Box 37428

Raleigh, North Carolina 27627

Telephone: (919) 854-1400

Facsimile: (919) 854-1401

CERTIFICATION OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via the Office's electronic filing system in accordance with § 1.6(a)(4) to the U.S. Patent and Trademark Office on May 20, 2010.


Marthenn Salazar

APPENDIX A

Pending Claims

U.S. Application Serial No. 10/525,443

Takahashi et al., Filed: February 24, 2005

1. (Previously presented) A method for preparing a metal sulfide film, comprising the steps of providing metal halide as a first raw material and a thioamide compound as a second raw material, vaporizing the metal halide and the thioamide compound, and reacting the metal halide with the thioamide compound at atmospheric pressure in a film forming section heated to from 375 to 425°C to form the metal sulfide film on a substrate.

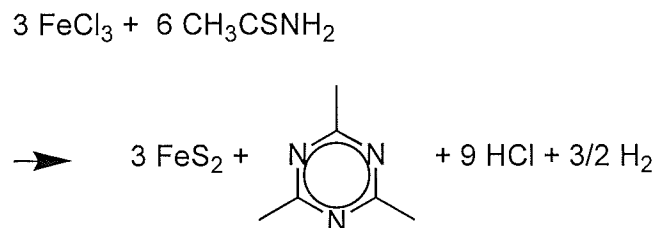
2-7. (Canceled)

8. (Previously presented) A method for preparing a metal sulfide film, comprising the steps of vaporizing metal halide and a thioamide compound, and reacting the metal halide with the thioamide compound in a heated film forming section to produce the metal sulfide film on a substrate as well as a triazine compound from the thioamide compound, wherein the step of reacting is performed at atmospheric pressure in the film forming section heated to from 375°C to 425°C.

9. (Canceled)

10. (Previously presented) The method for preparing a metal sulfide film according to Claim 8, wherein the thioamide compound is thioacetamide, the triazine compound is trimethyltriazine, and the step of reacting accompanies formation of sulfur as a simple substance.

11. (Previously presented) A method for preparing a metal sulfide film according to Claim 8, wherein an iron sulfide film is formed by a reaction represented by the following formula:



12. (Canceled.)

13. (Previously presented) The method for preparing an iron sulfide film according to Claim 1, wherein the metal halide is iron halide and the metal sulfide film is pyrite FeS_2 film.

14. (Canceled.)

15. (Previously presented) The method for preparing an iron sulfide film according to Claim 8, wherein the metal halide is iron halide and the metal sulfide film is pyrite FeS_2 film.